

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\  
 Data File : VW014672.D  
 Acq On : 16 Jan 2020 15:19  
 Operator : SY/VA  
 Sample : L1118-10RE  
 Misc : 5.06G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jan 17 01:22:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 17 01:19:13 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1110859  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 939982   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 386081   | 25.00 | ug/L  | 0.00     |

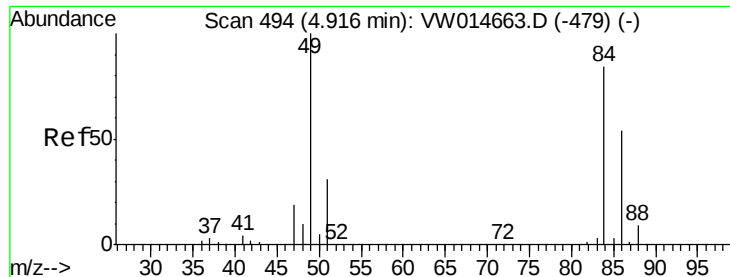
## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 314537   | 20.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.32% |
| 7) Chloroethane-d5             | 2.89   | 69    | 249131   | 21.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.36% |
| 10) 1,1-Dichloroethene-d2      | 4.16   | 63    | 327      | 0.01     | ug/L | 0.14   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.04%# |
| 20) 2-Butanone-d5              | 7.07   | 46    | 113819   | 30.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 61.08% |
| 24) Chloroform-d               | 7.65   | 84    | 537227   | 21.02    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 84.08% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 260303   | 19.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 78.52% |
| 29) Benzene-d6                 | 8.27   | 84    | 1173026  | 23.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 93.88% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 346089   | 23.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.12% |
| 37) Toluene-d8                 | 10.32  | 98    | 1021747  | 22.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.20% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 120638   | 19.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.72% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 83712    | 32.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.14% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 203976   | 18.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 72.28% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 287108   | 22.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.28% |

| Target Compounds           |       |     |       |            | Ovalue |
|----------------------------|-------|-----|-------|------------|--------|
| 16) Methylene chloride     | 4.91  | 84  | 49599 | 2.738 ug/L | 92     |
| 59) 1,2,3-Trichloropropane | 13.55 | 75  | 42578 | 4.616 ug/L | 94     |
| 69) Naphthalene            | 15.36 | 128 | 50273 | 2.145 ug/L | 97     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

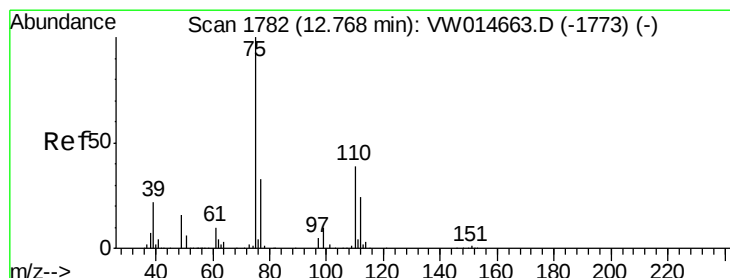
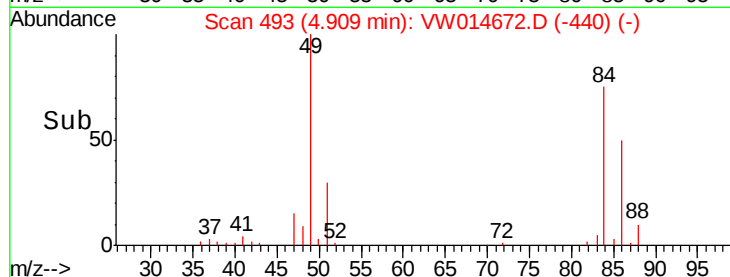
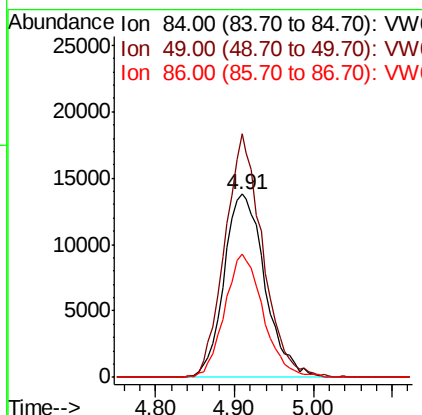
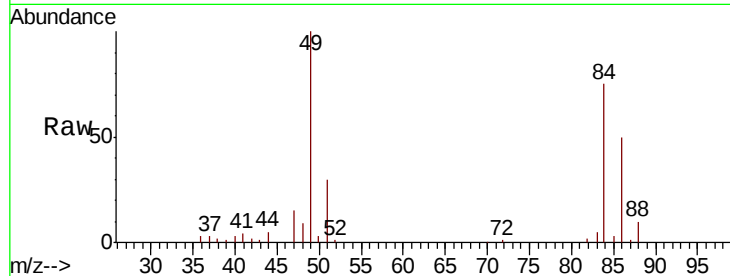




#16  
Methvlene chloride  
Concen: 2.738 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW014672.D  
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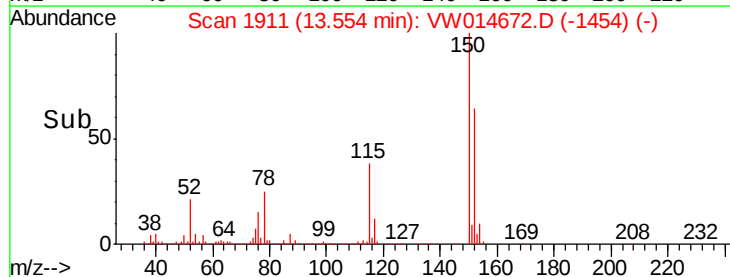
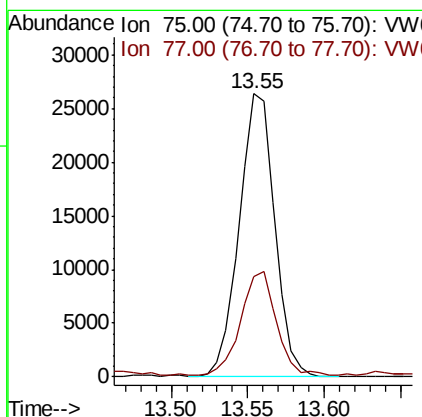
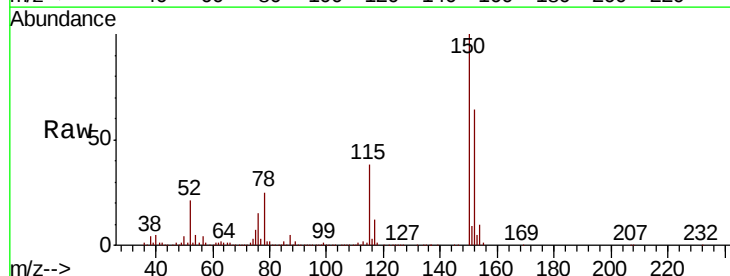
Instrument :  
MSVOA\_W  
ClientSampleId :

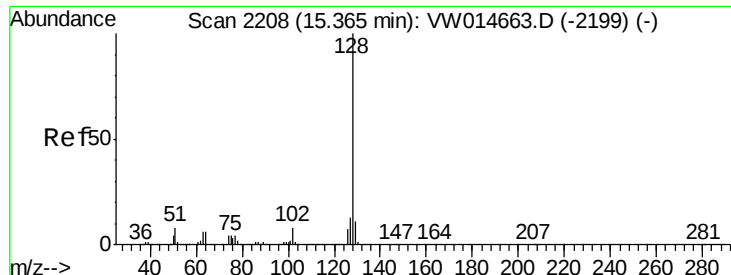
Tot Ion: 84 Resp: 49599  
Ion Ratio Lower Upper  
84 100  
49 132.9 85.8 159.4  
86 67.0 44.5 82.7



#59  
1,2,3-Trichloropropane  
Concen: 4.616 ug/L  
RT: 13.55 min Scan# 1911  
Delta R.T. 0.79 min  
Lab File: VW014672.D  
Acq: 16 Jan 2020 15:19

Tgt Ion: 75 Resp: 42578  
Ion Ratio Lower Upper  
75 100  
77 36.0 26.2 39.2





#69

Naphthalene

Concen: 2.145 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014672.D

Acq: 16 Jan 2020 15:19

Instrument :

MSVOA\_W

ClientSampleId :

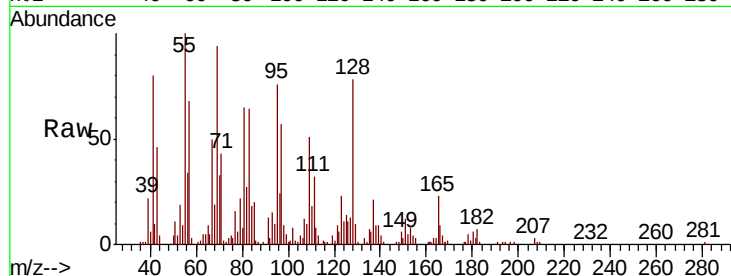
Tot Ion:128 Resp: 50273

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 11.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

